UNITED STATES **OPEN FILE REPORT 79-020** WOLF SCHOOL QUADRANGLE DEPARTMENT OF THE INTERIOR MONTANA **PLATE 12 OF 17** GEOLOGICAL SURVEY 7.5 MINUTE SERIES (TOPOGRAPHIC) OPEN-FILE REPORT 107°07′30″ 45°52′30″ (MINNEHAHA CREEK SOUTH) R 37 E R 38 E This report has not been edited for conformity with U.S. Geological Survey editorial standards or 31 35 34 stratigraphic nomenclature. T 2 N **EXPLANATION** OVERBURDEN ISOPACH—Showing thickness of overburden, in feet, from the surface to the top of the coal bed. The 100-foot isopach is omitted where it is too close to a mining-ratio contour for map readability. Isopach interval 200 feet (6l m) with an intermediate 500-foot isopach. NOTE: All remaining Federal coal lands west of this line and north of the Crow BOUNDARY OF COAL 5 FEET OR MORE THICK-Indian Reservation were ceded to the Drawn along the outcrop of coal bed and/or the inferred Crow Indians in 1958. contact between burned and unburned coal, and/or the 5-foot coal isopach, and/or an insufficient data line. Arrows point toward area of coal 5 feet or more thick. 10 11 12 MINING-RATIO CONTOUR-Number indicates cubic yards of overburden per ton of recoverable coal by surface-mining methods. Contours shown only in areas suitable for surface mining within the stripping limit. To convert feet to meters, multiply feet by 0.3048. To convert yds<sup>3</sup>/ton to m<sup>3</sup>/metric ton, multiply yds<sup>3</sup>/ton by 15 14 13 23 22 24 27 25 28 47'30" 32 34 35 T 1 N. CROW INDIAN RESERVATION BOUNDARY 11 12 13 14 (JEANS FORK NE 4575 II NE R. 37 E. 5" R 38 E 2'30" Compiled in 1977 Base map from U.S. Geological Survey, 1972 MONTANA UTM GRID AND 1972 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

> COAL RESOURCE OCCURRENCE MAP OF THE WOLF SCHOOL QUADRANGLE, BIG HORN AND TREASURE COUNTIES, MONTANA

OVERBURDEN ISOPACH AND

MINING-RATIO MAP OF THE ROBINSON COAL BED

PLATE 12